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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
AA	5 4 4 1 9 5 1	8/15/95	Serhan	514	213	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
AB	WO 94/29262	12/22/94	PCT	C07C	69/132	
AC	WO 95/01179	01/12/95	PCT	A61K	31/557	
AD	WO 98/11049	03/19/98	PCT	C07C	59/42	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

AE	Serhan, C.N., J.Z. Haeggström, and C.C. Leslie. 1996. Lipid mediator networks in cell signaling: update and impact of cytokines. <i>FASEB J.</i> 10:1147-1158
AF	Weiss, S.J. 1989. Tissue destruction by neutrophils. <i>N. Engl. J. Med.</i> 320:365-376
AG	Marucha, P.T., R.A. Zeff, and D.L. Kreutzer. 1991. Cytokine-induced IL-1 β gene expression in the human polymorphonuclear leukocyte: transcriptional and post-transcriptional regulation by tumor necrosis factor and IL-1. <i>J. Immunol.</i> 147:2603-2608
AH	Lloyd, A.R., and J.J. Oppenheim. 1992. Poly's lament: the neglected role of the polymorphonuclear neutrophil in the afferent limb of the immune response. <i>Immunology Today</i> 13:169-172
AI	Hachicha, M., P.H. Naccache, and S.R. McColl. 1995. Inflammatory microcrystals differentially regulate the secretion of macrophage inflammatory protein 1 and interleukin-8 by human neutrophils: A possible mechanism of neutrophil recruitment to sites of inflammation in synovitis. <i>J. Exp. Med.</i> 182:2019-2025
AJ	Hansen, P.R. 1995. Role of neutrophils in myocardial ischemia and reperfusion. <i>Circulation</i> 91:1872-1885
AK	Takano, T., S. Fiore, J.F. Maddox, H.R. Brady, N.A. Petasis, and C.N. Serhan. 1997. Aspirin-triggered 15-epi-lipoxin A ₄ and LXA ₄ stable analogs are potent inhibitors of acute inflammation: Evidence for anti-inflammatory receptors. <i>J. Exp. Med.</i> 185:1693-1704
AL	Clària, J., and C.N. Serhan. 1995. Aspirin triggers previously undescribed bioactive eicosanoids by human endothelial cell-leukocyte interactions. <i>Proc. Natl. Acad. Sci. USA</i> 92:9475-9479
AM	Lee, T.H., C.E. Horton, U. Kyan-Aung, D. Haskard, A.E. Crea, and B.W. Spur. 1989. Lipoxin A ₄ and lipoxin B ₄ inhibit chemotactic responses of human neutrophils stimulated by leukotriene B ₄ and N-formyl-L-methionyl-L-leucyl-L-phenylalanine. <i>Clin. Sci.</i> 77:195-203
AN	Serhan, C.N. 1994. Lipoxin biosynthesis and its impact in inflammatory and vascular events. <i>Biochim. Biophys. Acta</i> 1212:1-25

	AO	Papayianni, A., C.N. Serhan, M.L. Phillips, H.G. Rennke, and H.R. Brady. 1995. Transcellular biosynthesis of lipoxin A ₄ during adhesion of platelets and neutrophils in experimental immune complex glomerulonephritis. <i>Kidney Int.</i> 47:1295-1302
	AP	Chavis, C., I. Vachier, P. Chanez, J. Bousquet, and P. Godard. 1996. 5(S),15(S)-Dihydroxyeicosatetraenoic acid and lipoxin generation in human polymorphonuclear cells: dual specificity of 5-lipoxygenase towards endogenous and exogenous precursors. <i>J. Exp. Med.</i> 183:1633-1643
	AQ	Thomas, E., J.L. Leroux, F. Blotman, and C. Chavis. 1995. Conversion of endogenous arachidonic acid to 5,15-dihETE and lipoxins by polymorphonuclear cells from patients with rheumatoid arthritis. <i>Inflamm. Res.</i> 44:121-124
	AR	Serhan, C.N., J.F. Maddox, N.A. Petasis, I. Akritopoulou-Zanze, A. Papayianni, H.R. Brady, S.P. Colgan, and J.L. Madara. 1995. Design of lipoxin A ₄ stable analogs that block transmigration and adhesion of human neutrophils. <i>Biochemistry</i> 34:14609-14615
	AS	Gronert, K., S.P. Colgan, and C.N. Serhan. 1998. Characterization of human neutrophil and endothelial cell ligand-operated extracellular acidification rate by microphysiometry: impact of reoxygenation. <i>J. Pharmacol. Exp. Ther.</i> 285:252-261
	AT	Tessier, P.A., P.H. Naccache, I. Clark-Lewis, R.P. Gladue, K.S. Neote, and S.R. McColl. 1997. Chemokine networks in vivo: involvement of C-X-C and C-C chemokines in neutrophil extravasation in vivo in response to TNF- α . <i>J. Immunol.</i> 159:3595-3602
	AU	Tsuji, M., S. Kawano, S. Tsuji, H. Sawaoka, M. Hori, and R.N. DuBois. 1998. Cyclooxygenase regulates angiogenesis induced by colon cancer cells. <i>Cell</i> 93:705-716
	AV	Shibuya, H., N. Ohkohchi, S. Tsukamoto, and S. Satomi. 1997. Tumor necrosis factor-induced, superoxide-mediated neutrophil accumulation in cold ischemic/reperfused rat liver. <i>Hepatology</i> 26:113-120
	AW	Jaeschke, H., A. Farhood, and C.W. Smith. 1990. Neutrophils contribute to ischemia/reperfusion injury in rat liver in vivo. <i>FASEB J.</i> 4:3355-3359
	AX	Dinarello, C.A. 1996. Biologic basis for interleukin-1 in disease. <i>Blood</i> 87:2095-2147
	AY	Fiore, S., and C.N. Serhan. 1995. Lipoxin A ₄ receptor activation is distinct from that of the formyl peptide receptor in myeloid cells: inhibition of CD11/18 expression by lipoxin A ₄ -lipoxin A ₄ receptor interaction. <i>Biochemistry</i> 34:16678-16686
	AZ	Sin, Y.M., A.D. Sedgwick, E.P. Chea, and D.A. Willoughby. 1986. Mast cells in newly formed lining tissue during acute inflammation: a six day air pouch model in the mouse. <i>Ann. Rheum. Dis.</i> 45:873-877
	BA	Maddox, J.F., M. Hachicha, T. Takano, N.A. Petasis, V.V. Fokin, and C.N. Serhan. 1997. Lipoxin A ₄ stable analogs are potent mimetics that stimulate human monocytes and THP-1 cells via a G-protein linked lipoxin A ₄ receptor. <i>J. Biol. Chem.</i> 272:6972-6978
	BB	Isomaki, P., and J. Punnonen. 1997. Pro- and anti-inflammatory cytokines in rheumatoid arthritis. <i>Ann. Med.</i> 29:499-507
←	BC	Volpert, O.V., T. Fong, A.E. Koch, J.D. Peterson, C. Waltenbaugh, R.I. Tepper, and N.P. Bouck. 1998. Inhibition of angiogenesis by interleukin 4. <i>J. Exp. Med.</i> 188:1039-1046.
	BD	Moreland, L.W., S.W. Baumgartner, M.H. Schiff, E.A. Tindall, R.M. Fleischmann, A.L. Weaver, R.E. Ettlinger, S. Cohen, W.J. Koopman, K. Mohler, M.B. Widmer, and C.M. Blosch. 1997. Treatment of rheumatoid arthritis with a recombinant human tumor necrosis factor receptor (p75)-Fc fusion protein. <i>N. Engl. J. Med.</i> 337:141-147
	BE	Marriott, J.B., M. Westby, and A.G. Dalgleish. 1997. Therapeutic potential of TNF- α inhibitors old and new. <i>DDT</i> 2:273-282
←	BF	Saleem, S., Z. Dai, S.N. Coelho, B.T. Konieczny, K.J.M. Assmann, F.K. Baddoura, and F.G. Lakkis. 1998. IL-4 is an endogenous inhibitor of neutrophil influx and subsequent pathology in acute antibody-mediated inflammation. <i>J. Immunol.</i> 160:979-984.

	BG	Lehn, M., W.Y. Weiser, S. Engelhorn, S. Gillis, and H.G. Remold. 1989. IL-4 inhibits H ₂ O ₂ production and antileishmanial capacity of human cultured monocytes mediated by IFN-γ. <i>J. Immunol.</i> 143:3020-3024
	BH	Takano, et al., Neutrophil-Mediated Changes in Permeability are Inhibited by Topical Application of Aspirin-Triggered 15-ept-Lipoxin A4 and Novel Lipoxin B4 Stable Analogs, <i>Journal of Clinical Investigations</i> , Vol. 101, No. 4, pgs. 819-826 (2/98)
	BI	Gewirz, et al., Pathogen-Induced Chemokine Secretion from Model Intestinal Epithelium is Inhibited by Lipoxin A4 Analogs, <i>Journal of Clinical Investigations</i> , Vol. 101, No. 9, pgs. 1860-1869 (5/98)
	BJ	International Search Report, July 17, 2000
Examiner		<p>Date Considered: <i>1/25/05</i></p> <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.</p>

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